

## Johnny M Mine Area , McKinley County, New Mexico Imminent Threat

### Soil

This site has gamma radiation identified in the soil adjacent to the home up to 500,000 cpm. The background is approximately 13,000 cpm. These readings were conducted with 2"x2" gamma scintillation detectors. Testing was also in the same area with a model 19 microR meter. The maximum reading is 2,000 microR/hour as compared to a background 15 microR/hour. The dose exposure for the to the occupant is 3,400 mrem per year. The standard is 15 mrem per year.

### Air

Radon detectors were placed in the home. The levels detected were 18.6, 19.5, and 19.8 pCi/L. The action level is 4 pCi/L.

### Water

The groundwater was also tested in the only source of drinking water on the property. The MCL for gross alpha 17.3 pCi/L (standard 15pCi/L) and Radium-226/228 6 pCi/L (5pCi/L) were both exceeded.